

ABSTRACT OF THE DISCLOSURE

A cooling device is applied to cooling an electronic element producing concentrated heat in a case where the
5 electronic element is housed in a portable electronic device
such as a notebook PC. The cooling device is provided with
an active heat transport element provided with a heat intake
portion and a heat outlet portion, which conducts heat from
the heat intake portion to the heat outlet portion, a first
10 flow channel disposed upstream of the electronic element in
flow of the cooling medium, a second flow channel disposed
downstream of the electronic element in the flow of the cooling
medium. The heat is by-passed by means of the active heat
transport element so that the electronic element is exposed
15 to flow of the cooled cooling medium and effectively cooled
thereby.